

WHAT IS CLAIMED IS:

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1. An image-transmitting device connected to image-display devices through a bus cable, said image-transmitting device comprising:

10 a memory unit storing a set of screen data whose correspondence to each of said image-display devices and a displaying order of said screen data to be displayed on said image-display devices are predetermined;

15 a transmission-data-generating unit selecting specific screen data from among the set of the screen data by following the correspondence and the displaying order, and generating transmission data that each of said image-display devices is to display based on the selected specific screen data;

20 a bus interface connected to said image-display devices through the bus cable; and

a transmission unit transmitting the transmission data from said bus interface through the bus cable to each of said image-display devices.

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2. The image-transmitting device as claimed  
in claim 1, wherein said memory unit further includes a  
two-dimensional arrangement in which file names of the  
screen data are placed in a position corresponding to an  
5 image-display device that is to display said screen data  
and the displaying order of said screen data.

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3. The image-transmitting device as claimed  
in claim 1 further comprising a setting unit by which a  
user sets the correspondence of the screen data to each  
of said image-display devices and the displaying order  
15 of the screen data in advance.

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4. The image-display system as claimed in  
claim 1 further comprising:

an instruction-input unit being used for  
inputting an instruction by a user to said image-  
transmitting device through a GUI (Graphical User  
25 Interface); and

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a setting unit setting the correspondence of the screen data to each of said image-display devices and the displaying order of the screen data in advance by following the instruction inputted by the user through said instruction-input unit.

5. The image-transmitting device as claimed in claim 1 further comprising an instruction-input unit that is used by a user to select one of the screen data and one of said image-display devices, and to direct the selected image-display device to display the selected screen data, wherein the transmission data is generated based on the selected screen data by said transmission-data-generating unit, and then is transmitted to the selected image-display device by said transmission unit.

6. The image-transmitting device as claimed in claim 1 further comprising an instruction-input unit that is used by a user to select one of the screen data

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and one of said image-display devices through a graphical user interface (GUI), and to direct the selected image-display device to display the selected screen data, wherein the transmission data is generated  
5 based on the selected screen data by said transmission-data-generating unit, and then is transmitted to the selected image-display device by said transmission unit.

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7. The image-transmitting device as claimed in claim 1, wherein said transmission data is area-updating data that includes data specifying an updating  
15 area of the screen data displayed on an image-display device and data used for updating part of the screen data displayed in the updating area.

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8. The image-transmitting device as claimed in claim 1, wherein said image-transmitting device is a computer including a USB (Universal Serial Bus)  
25 interface as said bus interface, and said bus cable is a

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USB cable.

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9. An image-display system including a control device and image-display devices connected through a bus interface to said control device,

said control device comprising:

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a memory unit storing a set of screen data whose correspondence to each of said image-display devices and a displaying order of said screen data to be displayed on said image-display devices are predetermined;

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a transmission-data-generating unit selecting specific screen data from among the set of the screen data by following the correspondence and the displaying order, and generating transmission data that each of said image-display devices is to display based on the selected specific screen data; and

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a transmission unit transmitting the transmission data through said bus interface to each of said image-display devices.

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10. An image-display system comprising:  
a computer including a primary image-display device that displays a document including a plurality of pages;

5 a plurality of image-display devices that are connected to said computer, and display the document; and

10 a user interface that relates a specific page in the document to a specific image-display device among said image-display devices.

15 11. The image-display system as claimed in claim 10, wherein said user interface displays icons indicating said image-display devices on said primary image-display device, and allocates the specific page to an icon to display the specific page on an image-display  
20 device corresponding to the icon.

25 12. The image-display system as claimed in

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claim 11, wherein said image-display system displays  
identification information of said image-display device  
and information about correspondence of said image-  
display device to the specific page when displaying the  
5 specific page on said image-display device.

10 13. The image-display system as claimed in  
claim 11, wherein said user interface allocates the  
specific page to the icon by dragging and dropping said  
specific page to said icon.

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20 14. The image-display system as claimed in  
claim 10, wherein said user interface displays a pop-up  
menu on one of the specific page and an area indicating  
the specific page on the primary image-display device,  
said pop-up menu being used for selecting the image-  
display device to display the specific page thereon.

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15 157 The image-display system as claimed in  
claim 10, wherein said image-display system allocates  
each of previously displayed screen data and screen data  
to be displayed next to currently displayed screen data  
5 on said primary image-display device to any of said  
image-display devices.

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16. The image-display system as claimed in  
claim 10, wherein said image-display system displays a  
scroll button on a screen of said primary image-display  
device, said scroll button being used for scrolling the  
15 screen of the image-display device displaying said  
specific page.

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17. The image-display system as claimed in  
claim 10, wherein said document is a hypertext document,  
and each page of said document includes links to other  
pages.

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18. A method of controlling screen data displayed on a plurality of image-display devices connected to a control device through a bus interface, said method comprising the steps of:

5 storing a set of the screen data whose correspondence to each of said image-display devices and a displaying order of said screen data to be displayed on said image-display devices are predetermined, in said control device;

10 selecting the screen data corresponding to each of said image-display devices from among the set of the screen data by following the correspondence and the displaying order; and

15 updating the screen data displayed on each of said image-display devices simultaneously based on the selected screen data through the bus interface.

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19. The method as claimed in claim 18, wherein the step of updating the screen data displayed on each of said image-display devices simultaneously comprises a step of transmitting area-updating data that  
25 includes data specifying an updating area of the screen

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data displayed on an image-display device and data used for updating part of the screen data displayed in the updating area.

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20. A method of controlling screen data displayed on a plurality of image-display devices connected to a control device through a bus interface, said method comprising the steps of:

storing a set of the screen data whose correspondence to each of said image-display devices and a displaying order of said screen data to be displayed on said image-display devices are predetermined, in said control device;

selecting the screen data corresponding to each of said image-display devices from among the set of the screen data by following the correspondence and the displaying order;

generating transmission data that each of said image-display devices is to display based on the selected screen data; and

transmitting the transmission data to each of said image-display devices through said bus interface.

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21. The method as claimed in claim 20,  
comprising the steps of:

inputting an instruction to said control  
device through a GUI (Graphical User Interface); and

5        setting the correspondence of the screen data  
to each of said image-display devices and the displaying  
order of the screen data by following the instruction  
inputted.

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22. The method as claimed in claim 20,  
comprising the step of updating the screen data  
15        displayed on each of said image-display devices  
simultaneously by transmitting area-updating data that  
includes data specifying an updating area of the screen  
data displayed on an image-display device and data used  
for updating part of the screen data displayed in the

20        updating area.

23. A record medium readable by a machine,

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5 tangibly embodying a program of instructions executable  
by the machine to perform method steps for controlling  
images displayed on a plurality of image-display devices  
connected to an image-transmitting device through a bus  
interface, said method steps comprising:

10 storing a set of screen data whose  
correspondence to each of said image-display devices and  
a displaying order of said screen data to be displayed  
on said image-display devices are predetermined, in said  
control device;

selecting the screen data corresponding to  
each of said image-display devices from among the set of  
the screen data by following the correspondence and the  
displaying order;

15 generating transmission data that each of said  
image-display devices is to display based on the  
selected screen data; and

20 transmitting the transmission data to each of  
said image-display devices through said bus interface.

24. The record medium as claimed in claim 23,  
25 wherein said method steps comprises the steps of:

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inputting an instruction to said image-transmitting device through a GUI (Graphical User Interface); and

5        setting the correspondence of the screen data to each of said image-display devices and the displaying order of the screen data by following the instruction inputted.

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